



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Form Approved OMB No. 2070-0060

401 M Street  
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

## DATA MATRIX

Date: 9/13/2007

Reg. No: 100-904

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Syngenta Crop Protection, P.O. Box 18300, Greensboro, NC 27419

Product: PROCLAIM INSECTICIDE

Ingredient: Enamectin

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
Cite-All	Cite-All	Cite-All (AHE	AGRICULTURAL HAN	PER	
Cite-All	Cite-All	Cite-All (ART	AGRICULTURAL REE	PER	
Cite-All	Cite-All	Cite-All (FES	FIFRA ENDANGERED	PER	
Cite-All	Cite-All	Cite-All (SDT	SPRAY DRIFT TF	PER	
Cite-All (Syngenta)	Cite-All (Syngenta)	Cite-All (Syn	SYNGENTA	OWN	
830.0000	Product identity and composition	42743644	MERCK & CO., INC.	OWN	
830.0000	Product identity and composition	42743645	MERCK & CO., INC.	OWN	
830.0000	Product identity and composition	42743646	MERCK & CO., INC.	OWN	
830.0000	Product identity and composition	42743647	MERCK & CO., INC.	OWN	
830.0000	Product identity and composition	42743649	MERCK & CO., INC.	OWN	
830.0000	Product identity and composition	42743651	MERCK & CO., INC.	OWN	
830.0000	Product identity and composition	43824001	MERCK & CO., INC.	OWN	

Carolyn Brinkley, Senior Regulatory Product Manager

Date: 9/13/2007





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Syngenta Crop Protection, P.O. Box 18300, Greensboro, NC 27419	Product: PROCLAIM INSECTICIDE	

Ingredient: Enamectin

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.0000	Product identity and composition	43824002	MERCK & CO., INC.	OWN	
830.0000	Product identity and composition	44883705	SYNGENTA	OWN	
830.0000	Product identity and composition	45420801	SYNGENTA	OWN	
830.0000	Product identity and composition	Submitting	SYNGENTA	OWN	
830.1550	Product identity and composition	45420801	SYNGENTA	OWN	
830.1550	Product identity and composition	46044901	SYNGENTA	OWN	
830.1550	Product identity and composition	47153904	SYNGENTA	OWN	
830.1600	Description of materials used to produce the product	44883701	SYNGENTA	OWN	
830.1600	Description of materials used to produce the product	45420801	SYNGENTA	OWN	
830.1600	Description of materials used to produce the product	47153904	SYNGENTA	OWN	
830.1620	Description of production process	44883701	SYNGENTA	OWN	
830.1620	Description of production process	45420801	SYNGENTA	OWN	

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Ingredient: Enamectin					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.1650	Description of Formulation process	44883701	SYNGENTA	OWN	
830.1650	Description of Formulation process	47153904	SYNGENTA	OWN	
830.1670	Discussion of formation of impurities	43393010	MERCK & CO., INC.	OWN	
830.1670	Discussion of formation of impurities	45420801	SYNGENTA	OWN	
830.1670	Discussion of formation of impurities	47153904	SYNGENTA	OWN	
830.1700	Preliminary analysis	46044901	SYNGENTA	OWN	
830.1700	Preliminary analysis	47153904	SYNGENTA	OWN	
830.1750	Certified limits	43824001	MERCK & CO., INC.	OWN	
830.1750	Certified limits	46044901	SYNGENTA	OWN	
830.1750	Certified limits	47153904	SYNGENTA	OWN	
830.1800	Enforcement analytical method	43824001	MERCK & CO., INC.	OWN	
830.1800	Enforcement analytical method	44007908	MERCK & CO., INC.	OWN	

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Product: PROCLAIM INSECTICIDE

Ingredient: Enamectin

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.1800	Enforcement analytical method	44007909	MERCK & CO., INC.	OWN	
830.1800	Enforcement analytical method	46044901	SYNGENTA	OWN	
830.1800	Enforcement analytical method	47153904	SYNGENTA	OWN	
830.6302	Color	47153905	SYNGENTA	OWN	
830.6303	Physical state	47153905	SYNGENTA	OWN	
830.6304	Odor	47153905	SYNGENTA	OWN	
830.6313	Stability to normal and elevated temperatures, metals,	42743648	MERCK & CO., INC.	OWN	
830.6313	Stability to normal and elevated temperatures, metals,	43850103	MERCK & CO., INC.	OWN	
830.6314	Oxidation/reduction: chemical incompatibility	47153905	SYNGENTA	OWN	
830.6315	Flammability	47153905	SYNGENTA	OWN	
830.6316	Explosibility	47153905	SYNGENTA	OWN	
830.6317	Storage Stability	42743646	MERCK & CO., INC.	OWN	

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Product: PROCLAIM INSECTICIDE

Ingredient: Enamectin

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.6317	Storage Stability	42743650	MERCK & CO., INC.	OWN	
830.6317	Storage Stability	47153905	SYNGENTA	OWN	
830.6320	Corrosion characteristics	42743646	MERCK & CO., INC.	OWN	
830.6320	Corrosion characteristics	42743649	MERCK & CO., INC.	OWN	
830.6320	Corrosion characteristics	47153905	SYNGENTA	OWN	
830.7000	pH	44883702	SYNGENTA	OWN	
830.7000	pH	47153905	SYNGENTA	OWN	
830.7200	Melting point/melting range	42794202	MERCK & CO., INC.	OWN	
830.7300	Density/relative density/bulk density	42794202	MERCK & CO., INC.	OWN	
830.7300	Density/relative density/bulk density	47153905	SYNGENTA	OWN	
830.7370	Dissociation constants in water	42794202	MERCK & CO., INC.	OWN	
830.7550	Partition coefficient (n-octanol/water), shake flask met	42794202	MERCK & CO., INC.	OWN	

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Product: PROCLAIM INSECTICIDE

Ingredient: Enamectin

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
830.7550	Partition coefficient (n-octanol/water), shake flask met	44883703	SYNGENTA	OWN	
830.7560	Partition coefficient (n-octanol/water), generator colu	42794202	MERCK & CO., INC.	OWN	
830.7560	Partition coefficient (n-octanol/water), generator colu	44883703	SYNGENTA	OWN	
830.7570	Partition coefficient (n-octanol/water), estimation by liq	42794202	MERCK & CO., INC.	OWN	
830.7570	Partition coefficient (n-octanol/water), estimation by liq	44883703	SYNGENTA	OWN	
830.7840	Water solubility: column elution method, shake flask	42794202	MERCK & CO., INC.	OWN	
830.7840	Water solubility: column elution method, shake flask	43850102	MERCK & CO., INC.	OWN	
830.7840	Water solubility: column elution method, shake flask	44883704	SYNGENTA	OWN	
830.7860	Water solubility: generator column method	42794202	MERCK & CO., INC.	OWN	
830.7860	Water solubility: generator column method	43850102	MERCK & CO., INC.	OWN	
830.7860	Water solubility: generator column method	44883704	SYNGENTA	OWN	
830.7950	Water solubility, Vapor pressure	42794202	MERCK & CO., INC.	OWN	

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Syngenta Crop Protection, P.O. Box 18300, Greensboro, NC 27419

Product: PROCLAIM INSECTICIDE

Ingredient: Enamectin

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.1100	Acute oral toxicity	42743605	MERCK & CO., INC.	OWN	
870.1100	Acute oral toxicity	42743612	MERCK & CO., INC.	OWN	
870.1100	Acute oral toxicity	42743613	MERCK & CO., INC.	OWN	
870.1100	Acute oral toxicity	42851502	MERCK & CO., INC.	OWN	
870.1100	Acute oral toxicity	42851518	MERCK & CO., INC.	OWN	
870.1100	Acute oral toxicity	42851519	MERCK & CO., INC.	OWN	
870.1100	Acute oral toxicity	43824003	MERCK & CO., INC.	OWN	
870.1100	Acute oral toxicity	44007915	MERCK & CO., INC.	OWN	
870.1100	Acute oral toxicity	47153906	SYNGENTA	OWN	
870.1100	Acute oral toxicity	47153907	SYNGENTA	OWN	
870.1100	Acute oral toxicity	Submitting	SYNGENTA	OWN	
870.1200	Acute dermal toxicity	42743606	MERCK & CO., INC.	OWN	

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Syngenta Crop Protection, P.O. Box 18300, Greensboro, NC 27419

Product: PROCLAIM INSECTICIDE

Ingredient: Eamectin

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.1200	Acute dermal toxicity	43824004	MERCK & CO., INC.	OWN	
870.1200	Acute dermal toxicity	43869401	MERCK & CO., INC.	OWN	
870.1200	Acute dermal toxicity	47153907	SYNGENTA	OWN	
870.1200	Acute dermal toxicity	47153908	SYNGENTA	OWN	
870.1200	Acute dermal toxicity	Submitting	SYNGENTA	OWN	
870.1300	Acute inhalation toxicity	42743608	MERCK & CO., INC.	OWN	
870.1300	Acute inhalation toxicity	43868101	MERCK & CO., INC.	OWN	
870.1300	Acute inhalation toxicity	43868102	MERCK & CO., INC.	OWN	
870.1300	Acute inhalation toxicity	47153907	SYNGENTA	OWN	
870.1300	Acute inhalation toxicity	Submitting	SYNGENTA	OWN	
870.2400	Acute eye irritation	42743615	MERCK & CO., INC.	OWN	
870.2400	Acute eye irritation	43824005	MERCK & CO., INC.	OWN	

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Product: PROCLAIM INSECTICIDE

Ingredient: Emamectin

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.2400	Acute eye irritation	43850112	MERCK & CO., INC.	OWN	
870.2400	Acute eye irritation	47153907	SYNGENTA	OWN	
870.2400	Acute eye irritation	47153909	SYNGENTA	OWN	
870.2400	Acute eye irritation	Submitting	SYNGENTA	OWN	
870.2500	Acute dermal irritation	42743607	MERCK & CO., INC.	OWN	
870.2500	Acute dermal irritation	42743616	MERCK & CO., INC.	OWN	
870.2500	Acute dermal irritation	47153907	SYNGENTA	OWN	
870.2500	Acute dermal irritation	47153910	SYNGENTA	OWN	
870.2500	Acute dermal irritation	Submitting	SYNGENTA	OWN	
870.2600	Skin sensitization	42743609	MERCK & CO., INC.	OWN	
870.2600	Skin sensitization	42743610	MERCK & CO., INC.	OWN	
870.2600	Skin sensitization	42743617	MERCK & CO., INC.	OWN	

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Syngenta Crop Protection, P.O. Box 18300, Greensboro, NC 27419

Product: PROCLAIM INSECTICIDE

Ingredient: Enamectin

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.2600	Skin sensitization	47153907	SYNGENTA	OWN	
870.2600	Skin sensitization	47153911	SYNGENTA	OWN	
870.2600	Skin sensitization	Submitting	SYNGENTA	OWN	
870.3100	90-Day oral toxicity	42743620	MERCK & CO., INC.	OWN	
870.3100	90-Day oral toxicity	42743621	MERCK & CO., INC.	OWN	
870.3100	90-Day oral toxicity	42743622	MERCK & CO., INC.	OWN	
870.3100	90-Day oral toxicity	42743623	MERCK & CO., INC.	OWN	
870.3100	90-Day oral toxicity	42794201	MERCK & CO., INC.	OWN	
870.3100	90-Day oral toxicity	43868103	MERCK & CO., INC.	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	42743620	MERCK & CO., INC.	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	42743621	MERCK & CO., INC.	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	42743622	MERCK & CO., INC.	OWN	

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Ingredient: Enamectin

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.3150	Subchronic nonrodent oral toxicity - 90-day	42743623	MERCK & CO., INC.	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	42794201	MERCK & CO., INC.	OWN	
870.3150	Subchronic nonrodent oral toxicity - 90-day	43868103	MERCK & CO., INC.	OWN	
870.3200	Repeated dose dermal toxicity - 21/28 day	42743625	MERCK & CO., INC.	OWN	
870.3200	Repeated dose dermal toxicity - 21/28 day	44007902	MERCK & CO., INC.	OWN	
870.3700	Prenatal developmental toxicity study	42743631	MERCK & CO., INC.	OWN	
870.3700	Prenatal developmental toxicity study	42743632	MERCK & CO., INC.	OWN	
870.3700	Prenatal developmental toxicity study	42743634	MERCK & CO., INC.	OWN	
870.3700	Prenatal developmental toxicity study	42743635	MERCK & CO., INC.	OWN	
870.3700	Prenatal developmental toxicity study	42743636	MERCK & CO., INC.	OWN	
870.3800	Reproduction and fertility effects	42743633	MERCK & CO., INC.	OWN	
870.3800	Reproduction and fertility effects	42851511	MERCK & CO., INC.	OWN	

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Ingredient: Enamectin					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.4100	Chronic toxicity	42743624	MERCK & CO., INC.	OWN	
870.4100	Chronic toxicity	42851510	MERCK & CO., INC.	OWN	
870.4100	Chronic toxicity	42868902	MERCK & CO., INC.	OWN	
870.4100	Chronic toxicity	43868104	MERCK & CO., INC.	OWN	
870.4200	Carcinogenicity	43868104	MERCK & CO., INC.	OWN	
870.4200	Carcinogenicity	43868105	MERCK & CO., INC.	OWN	
870.5000	Genetic Toxicity tests	42743637	MERCK & CO., INC.	OWN	
870.5000	Genetic Toxicity tests	42743638	MERCK & CO., INC.	OWN	
870.5000	Genetic Toxicity tests	42743639	MERCK & CO., INC.	OWN	
870.5000	Genetic Toxicity tests	42851512	MERCK & CO., INC.	OWN	
870.5000	Genetic Toxicity tests	42851513	MERCK & CO., INC.	OWN	
870.5000	Genetic Toxicity tests	42851514	MERCK & CO., INC.	OWN	

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Product: PROCLAIM INSECTICIDE

Ingredient: Enamectin

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.5000	Genetic Toxicity tests	42851515	MERCK & CO., INC.	OWN	
870.5000	Genetic Toxicity tests	42851516	MERCK & CO., INC.	OWN	
870.5000	Genetic Toxicity tests	42851517	MERCK & CO., INC.	OWN	
870.6100	Acute and 28-day delayed neurotoxicity of organopho	42743611	MERCK & CO., INC.	OWN	
870.6100	Acute and 28-day delayed neurotoxicity of organopho	42743614	MERCK & CO., INC.	OWN	
870.6100	Acute and 28-day delayed neurotoxicity of organopho	42743626	MERCK & CO., INC.	OWN	
870.6100	Acute and 28-day delayed neurotoxicity of organopho	42743627	MERCK & CO., INC.	OWN	
870.6200	Neurotoxicity screening battery	42743618	MERCK & CO., INC.	OWN	
870.6200	Neurotoxicity screening battery	42743619	MERCK & CO., INC.	OWN	
870.6200	Neurotoxicity screening battery	42743624	MERCK & CO., INC.	OWN	
870.6200	Neurotoxicity screening battery	42743628	MERCK & CO., INC.	OWN	
870.6200	Neurotoxicity screening battery	42743629	MERCK & CO., INC.	OWN	

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Product: PROCLAIM INSECTICIDE

Ingredient: Emaxectin

Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.6200	Neurotoxicity screening battery	42743630	MERCK & CO., INC.	OWN	
870.6200	Neurotoxicity screening battery	42851503	MERCK & CO., INC.	OWN	
870.6200	Neurotoxicity screening battery	42851504	MERCK & CO., INC.	OWN	
870.6200	Neurotoxicity screening battery	42851505	MERCK & CO., INC.	OWN	
870.6200	Neurotoxicity screening battery	42851506	MERCK & CO., INC.	OWN	
870.6200	Neurotoxicity screening battery	42851507	MERCK & CO., INC.	OWN	
870.6200	Neurotoxicity screening battery	42851508	MERCK & CO., INC.	OWN	
870.6200	Neurotoxicity screening battery	42851509	MERCK & CO., INC.	OWN	
870.6200	Neurotoxicity screening battery	42851510	MERCK & CO., INC.	OWN	
870.6200	Neurotoxicity screening battery	42868902	MERCK & CO., INC.	OWN	
870.6200	Neurotoxicity screening battery	43868104	MERCK & CO., INC.	OWN	
870.7485	Metabolism and pharmacokinetics	42743640	MERCK & CO., INC.	OWN	

Carolyn Brinkley, Senior Regulatory Product Manager

Date: 9/13/2007





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Form Approved OMB No. 2070-0060

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WASHINGTON, D.C. 20460

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## DATA MATRIX

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Syngenta Crop Protection, P.O. Box 18300, Greensboro, NC 27419		Product: PROCLAIM INSECTICIDE			
Ingredient: Emaxectin					
Guideline Reference Number	Name	MRID	Submitter	Status	Notes
870.7485	Metabolism and pharmacokinetics	42743641	MERCK & CO., INC.	OWN	
870.7485	Metabolism and pharmacokinetics	44030601	MERCK & CO., INC.	OWN	
870.7600	Dermal penetration	43850113	MERCK & CO., INC.	OWN	
850.3030	Honey bee toxicity of residues on foliage	43393006	MERCK & CO., INC.	OWN	

Carolyn Brinkley, Senior Regulatory Product Manager

Date: 9/13/2007